As of 02 0800W Dec 11

U.S. Pacific Command
Joint Frequency Management Office Pacific (JFMO PAC)

Chief Spectrum Manager Proposed Spectrum Reorganization Study

USPACOM J613
12 Dec 2011

Purpose

- ***Stimulate conversation amongst Combatant Commands Spectrum Managers on the current structure of spectrum management within the Department of Defense (DoD)***

- ***Recommend reorganizational study***

Relationship between JFMO PAC and NMCSO PAC

- USPACOM is responsible for setting policy/guidance for U.S. Forces deploying throughout the AOR
  - Authority to coordinate spectrum with Pacific nations rest with USPACOM JFMO PAC
  - Navy components must submit all frequency proposals directly to JFMO PAC for host nation coordination
  - Navy components may request assistance from NMCSO PAC, but the request will come directly to JFMO PAC not NMCSO PAC
  - New , old or modified equipment requiring spectrum certification for permanent request must have releasable and must have a valid MCEB PC number
  - Temporary frequency request for exercises must have a valid DD-Form 1494 within the DoD database before USPACOM will process

NMCSOs report directly to Director, Navy Marine Corps Spectrum Cente

forces

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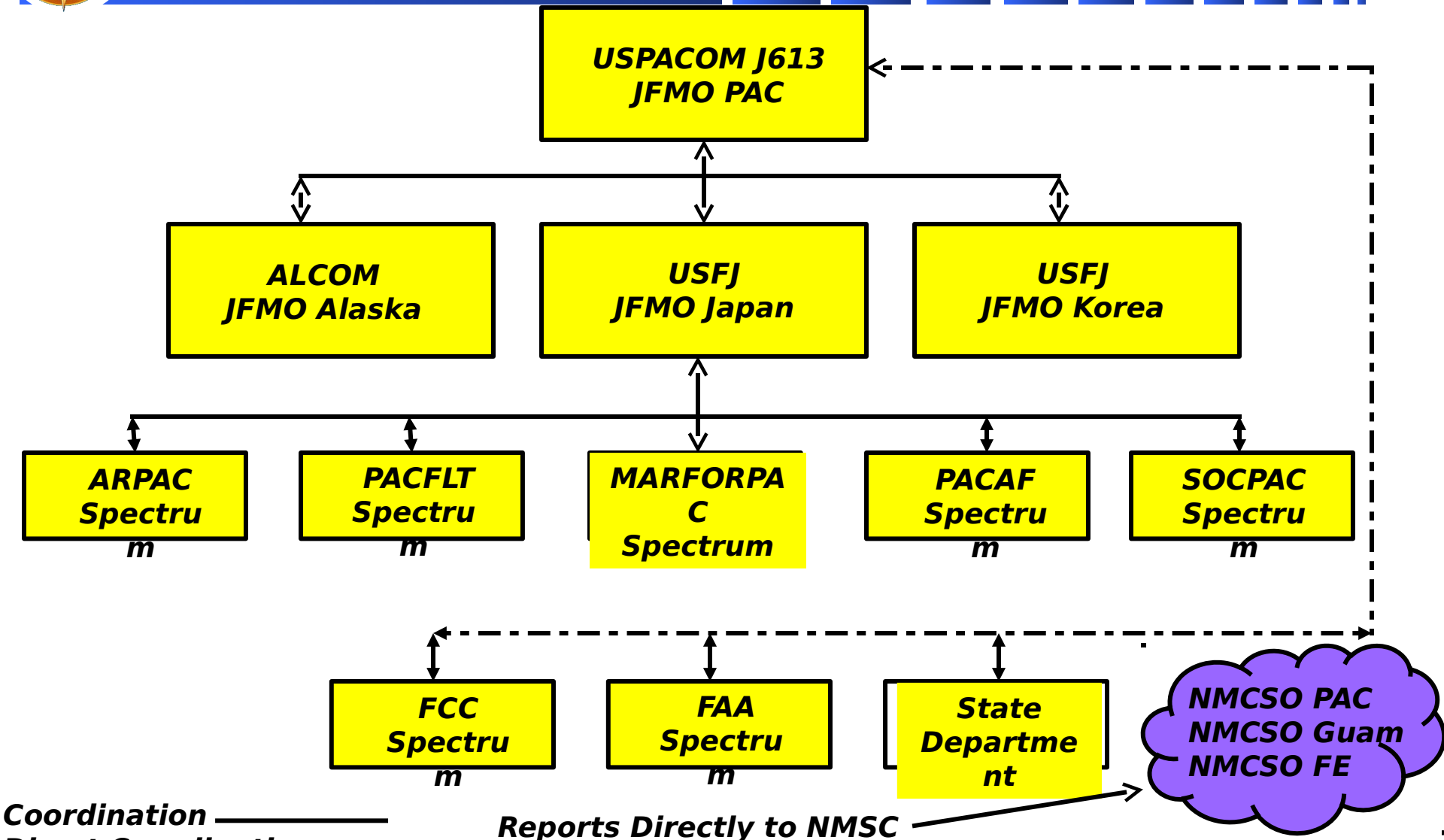
U.S. Pacific Command
Current Spectrum Organizational Structure



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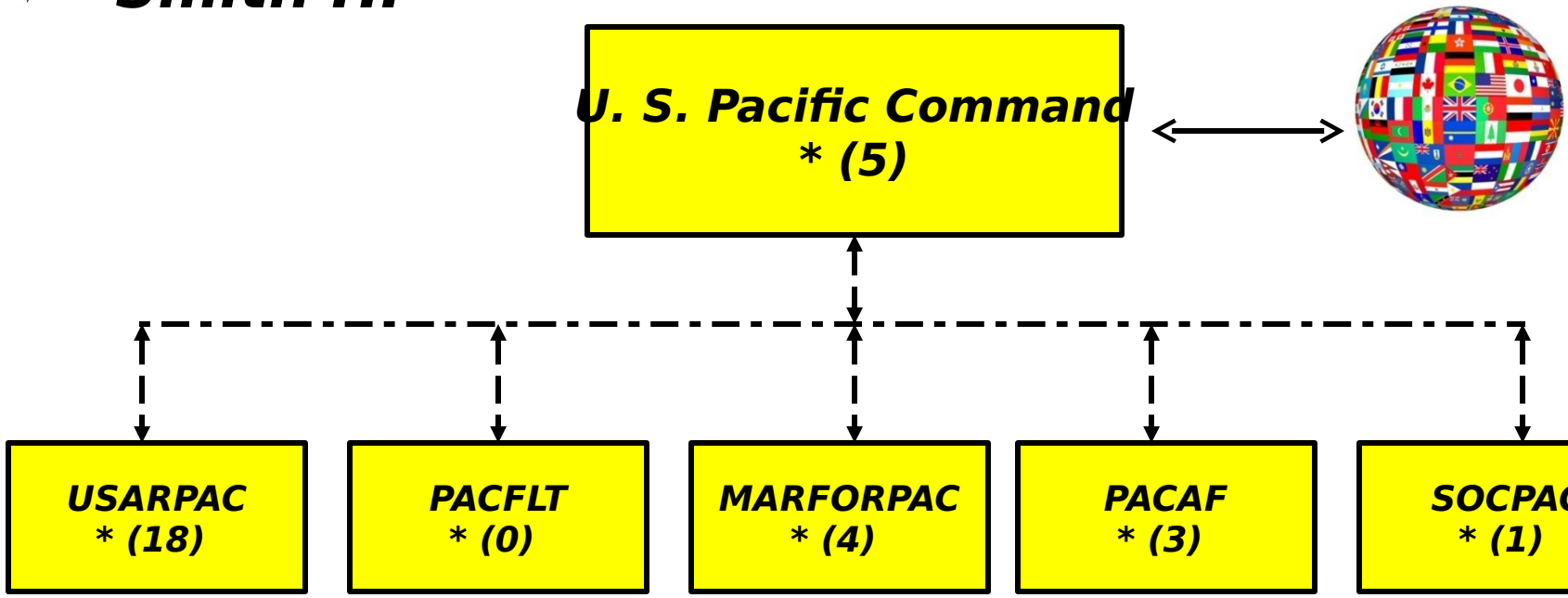
USPACOM Manning within 10 NM of Camp Smith HI



Legend

Direct coordination with Host Nations ⟷

Component Coordination – – – – –

* Number of Spectrum Management billets assigned within 10 NM of Camp Smith Hawaii (31)

Billets not reporting to USPACOM or COMPACFLT at Camp Smith 4 – Navy/Marine Corps Spectrum Office Pacific (NMCSO PAC)

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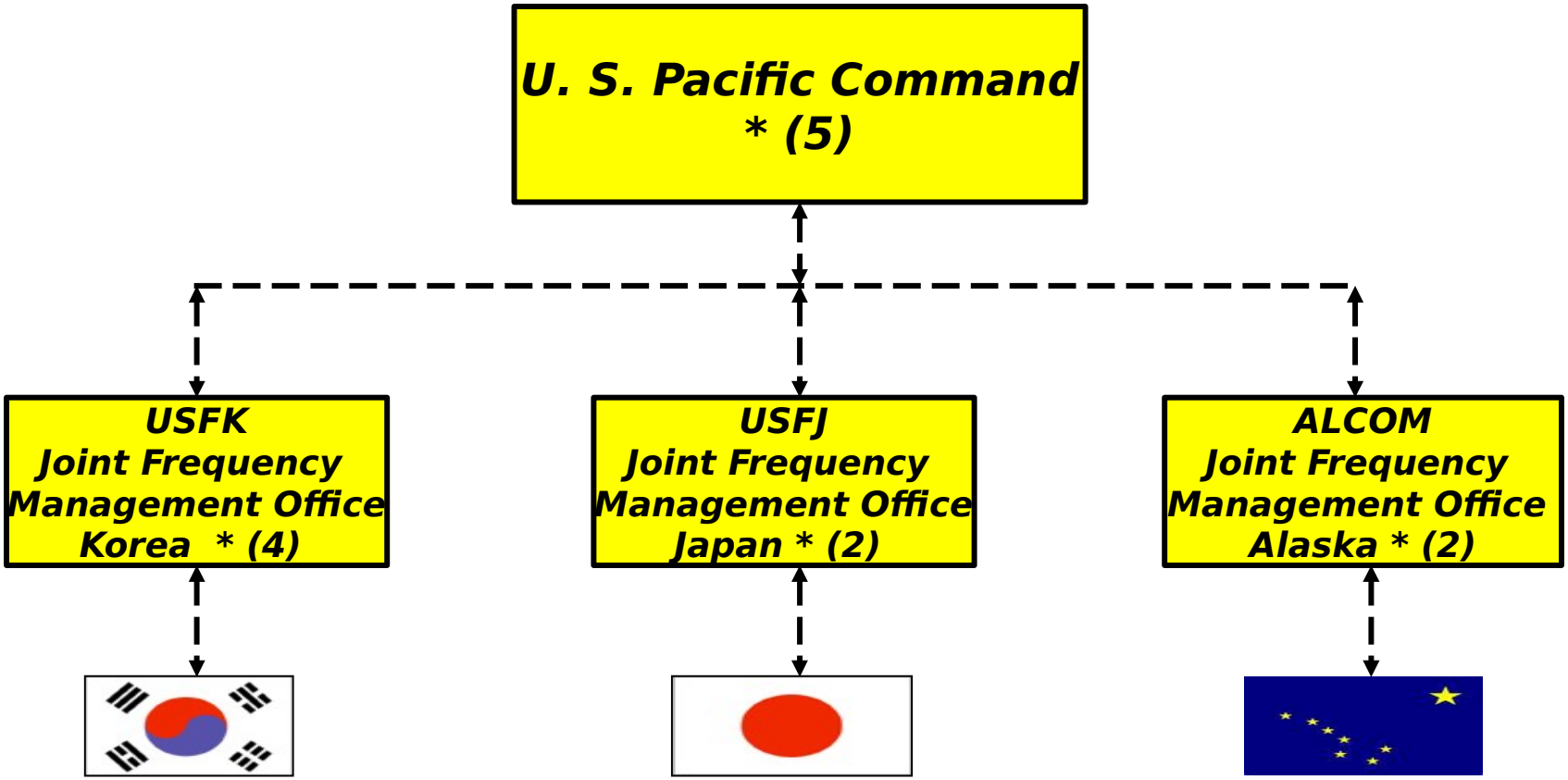
Sub-Unified Commands Frequency Coordination



Legend

Number of Spectrum Management billets assigned to Sub-Unified Commands

Sub-Unified Command Coordination – – – –

Does not include USPACOM component spectrum managers manning

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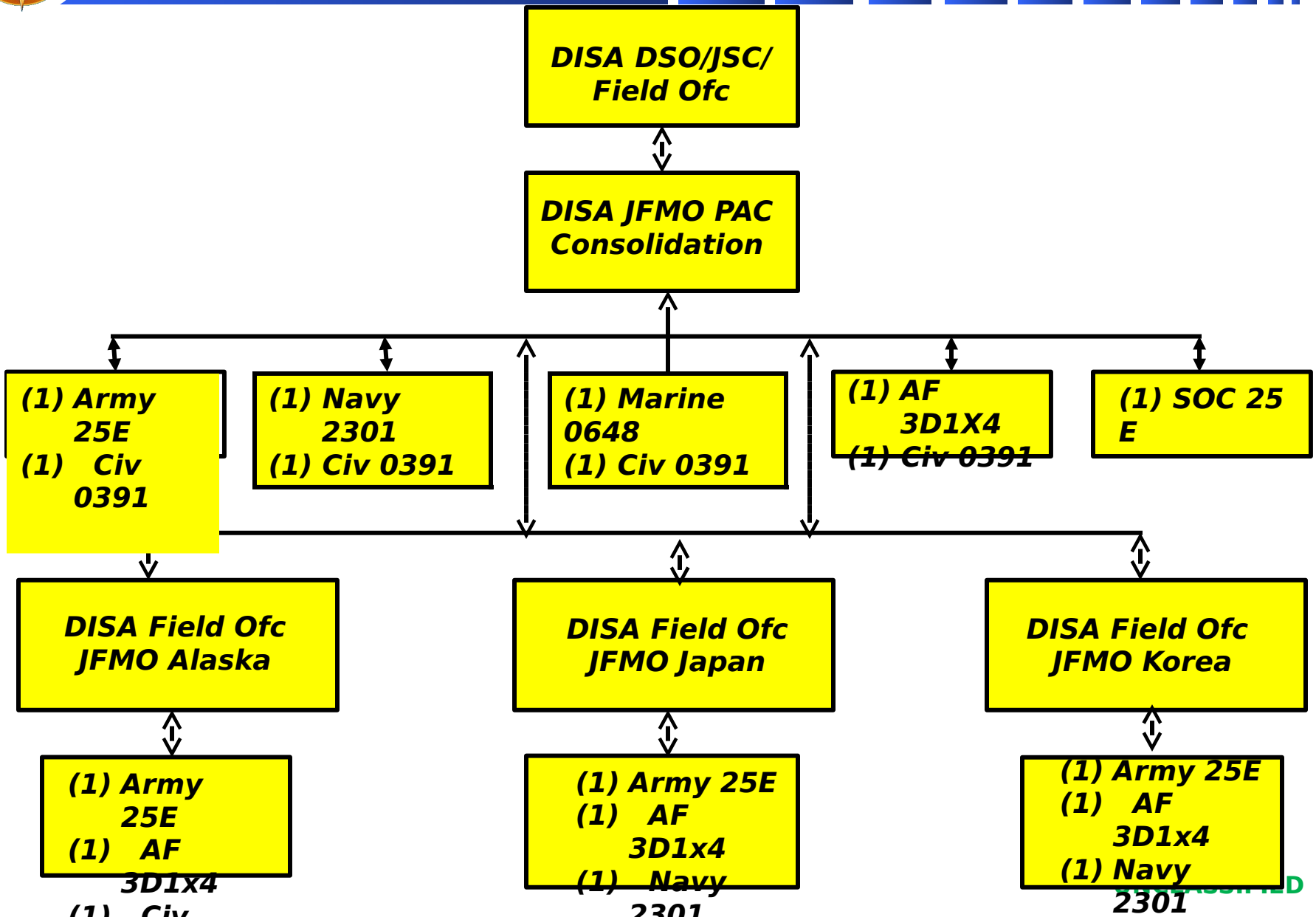
Proposed Pacific Defense Spectrum Organizational Consolidation



Spectrum Management Transformation

- Spectrum Management is not currently structured to support Cyber Operation
- Spectrum Management transformation requires vision, leadership and 20/20 hindsight to achieve spectrum access superiority
- Presidential Spectrum Reform does not embrace bottoms up review
- Solidarity "Jointness" must triumph over service unique "Rice Bowls"
- Decades of DoD studies continue to address spectrum enforcement, fast track acquisition procurement, future automation and career path development with minimal or no long term dividends
- Spectrum transformation requires uniformity across services
  - Battle Labs continue to develop future systems without spectrum situational awareness for OCONUS deployment , wasting billions of taxpayers dollars

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Defense Information Systems Agency (DISA) Supports

- DISA supports Combatant Commands:
  - DISA Defense Spectrum Organization
  - DISA Pacific / Europe / Cent / CONUS
  - DISA Joint Spectrum Center
  - DISA Joint Interoperability Test Center
  - DISA Field Offices
- Supports national level Spectrum Management Offices and COCOMs with numerous software programs:
  - Global Electromagnetic Spectrum Information System
  - Joint Spectrum Interference Resolution Online
  - JSC Equipment, Tactical and Space Database
  - Host Nation Spectrum Worldwide Database Online
  - Spectrum XXI / Online

"One Electromagnetic Spectrum Service provider throughout the AOR"

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Today's Challenges

- ***National level and Combatant Commands continues to defend current allocations reserved for day-to-day operations***
- ***Spectrum reallocation / auction continues to erode peacetime training worldwide***
- ***Experimental systems used in Iraq and Afghanistan will soon be appearing in CONUS / OCONUS and may not be supportable***
- ***Technology continues to be developed in frequency bands which are no longer available worldwide***

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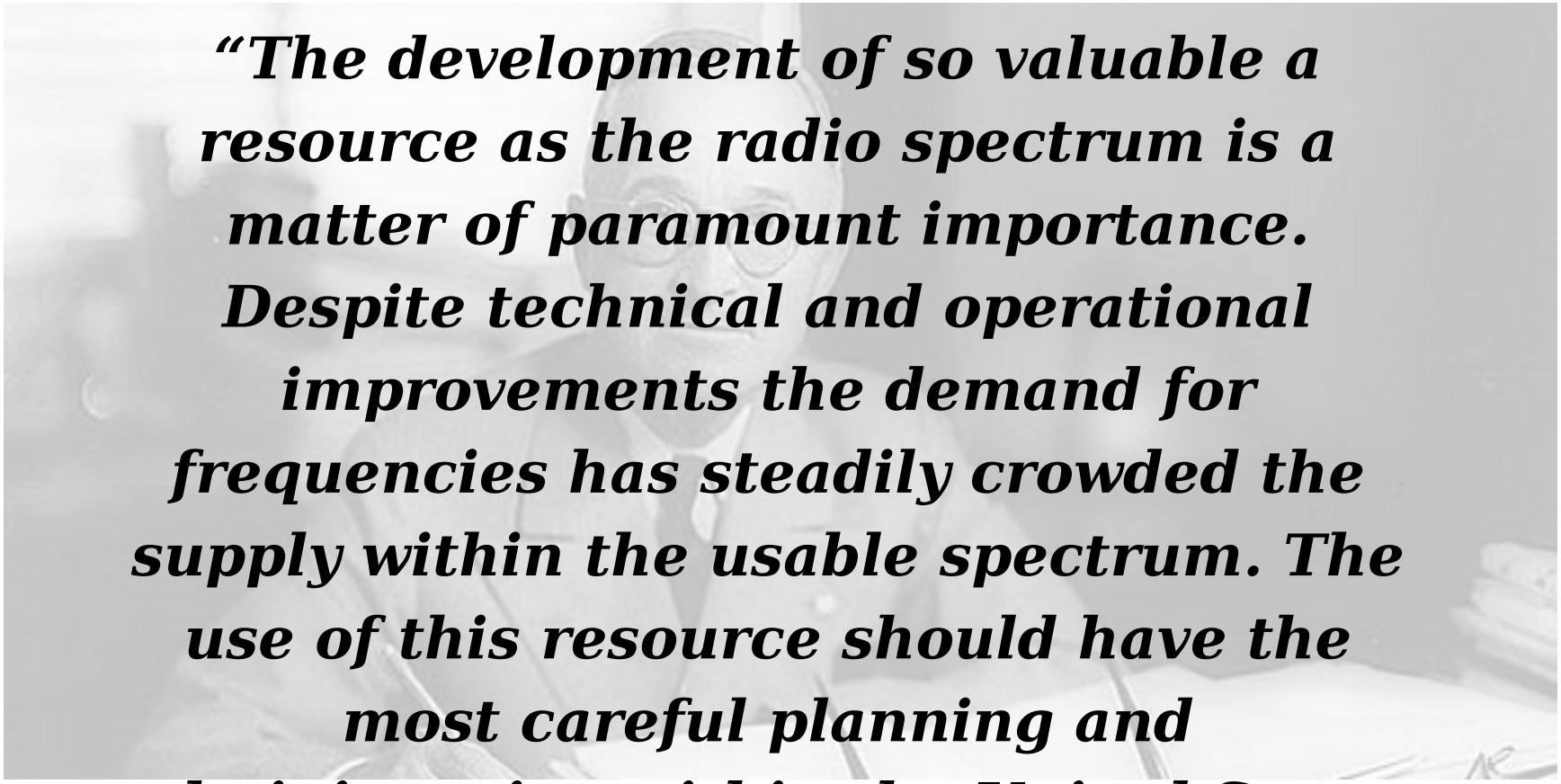
Today's Challenges

- *No emphasis is being placed on the electromagnetic spectrum usage by operators, technicians and logisticians within CONUS / OCONUS*
- *Electronic Warfare cannot be fully optimized during peacetime do to host nation reluctance to approve*
- *Electromagnetic Interference reporting stovepipes*
- *Professional career path for civil service needs to be developed*
- *Pacific AOR is now the highest interest within DoD*

Today's focus is "Cyber" and not "Spectrum", without paying attention to the electromagnetic spectrum resources cyber operations may suffer, networks may collapse and eventually our adversary will master this critical asset by denying us access

Written in 1951 by President TRUMAN'S policy board



"The development of so valuable a resource as the radio spectrum is a matter of paramount importance. Despite technical and operational improvements the demand for frequencies has steadily crowded the supply within the usable spectrum. The use of this resource should have the most careful planning and administration within the United States and in cooperation with other countries. Unfortunately, guidance and

Questions